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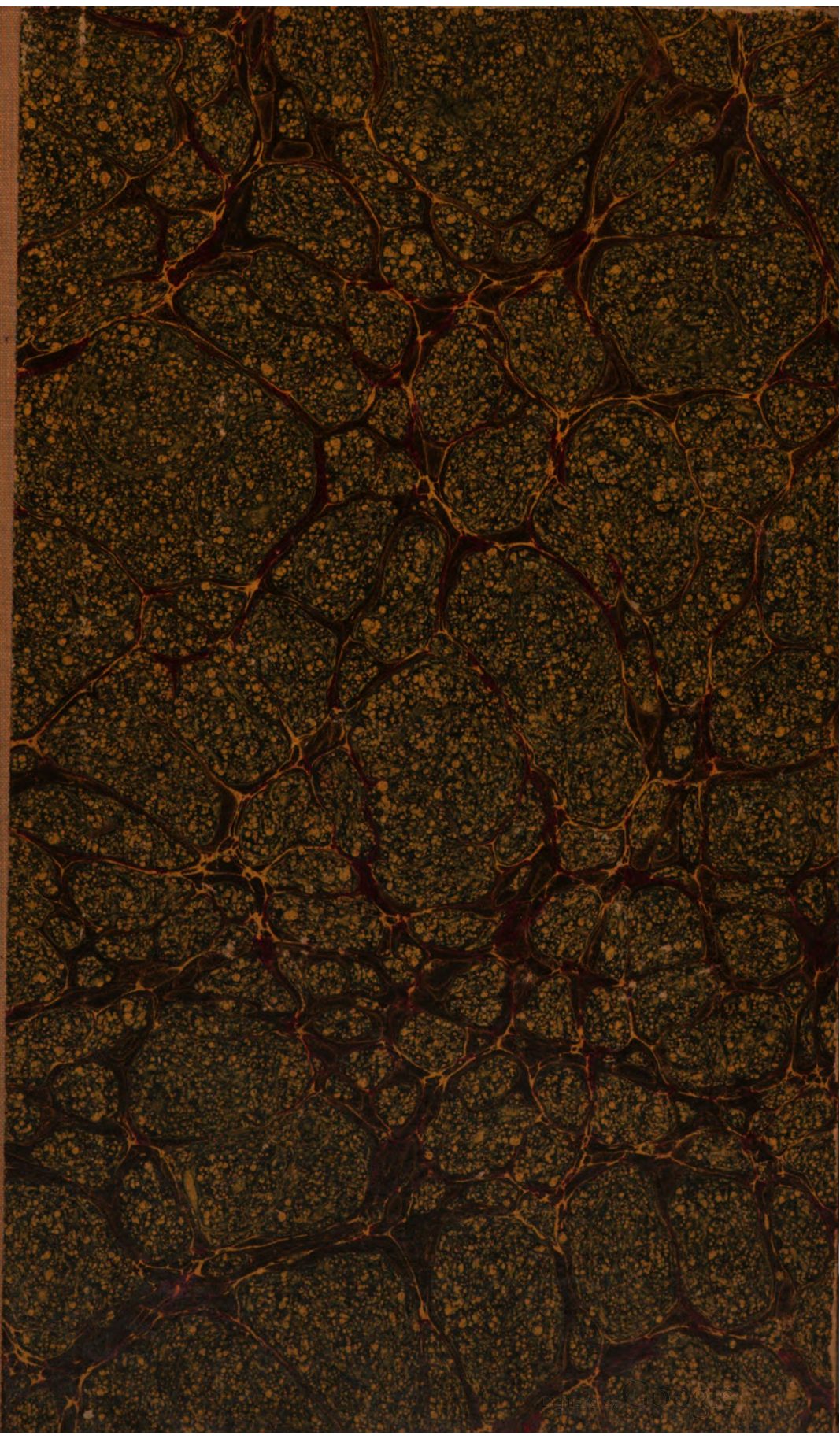
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Additions to the list of Kansas spiders

(1905)



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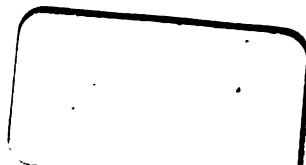
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THE INDUSTRIALIST.

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MANHATTAN, KAN., APRIL 8, 1905.

No. 28

ADDITIONS TO THE LIST OF KANSAS SPIDERS.

IN his Preliminary List of Kansas Spiders, published in Vol. 30, No. 24, of THE INDUSTRIALIST, the writer recorded one hundred species taken within the borders of the State and expressed the desire to double the list during the collecting season of 1904. Alack, the frequency of expectations unfulfilled! But forty-three additional species have been taken up to date, most of these, however, on ground already covered in the season of 1903. A few days were spent in collecting along the Rock Island in the southwestern part of the State, and at Lawrence—territory not visited the previous year. A large group of very small spiders, *Erigoneae*, has as yet no representatives in the College collection.

Four species new to science are described and figured in this paper. Several other single specimens probably represent new species, but it is not the policy of the writer to describe from a single specimen. To merit description a supposedly new type should be fairly well represented in some locality.

The forty-three species herein listed represent eleven families and twenty-nine genera. Three of the families and seventeen of the genera were not included in the first list. All summed up, then, we have recorded from Kansas one hundred forty-three species of spiders, representing sixteen families and sixty-seven genera.

The plate illustrations in this paper are from the pen of Miss Ella Weeks.

Types of the new species are in the College collection and in the National Museum at Washington.

Family ATYPIDÆ.

Brachybothrum robustum, Simon.

Brachybothrum, robustum, Simon. Actes Soc. Linn. Bord., Vol. 44, p. 7.

Two males from Manhattan, April 5, and an immature female from Delphos, August 5.

Family ULOBORIDÆ.

Uloborus plumipes, Lucas.

Uloborus plumipes, Lucas. Explor.d'Algerie Anim., Art. I, p. 252.

Two females taken in webs with cocoons at Manhattan, July 14.
Immature male from St. George, June 6.

Hyptiotes cavatus, Hentz.

Cylopodia cavata, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 466.

The triangle spider is apparently rare in Kansas. A single specimen was found at Three-Mile Hill, near Manhattan, October 10.

Family THOMISIDÆ.

Xysticus texanus, Banks.

Xysticus texanus, Banks. Journ. N. Y. Ent. Soc., XII, 1904, p. 112.

Two females of this prettily marked spider in a collection made at Delphos, August 5.

Xysticus graminis, Emerton.

Xysticus graminis, Emerton. Trans. Con. Acad., VIII, 1892, p. 364.

A male of this species from Manhattan, May 5.

Ebo latithorax, Keyserling.

Ebo latithorax, Keyserling. Neue Spinn. aus Amer., V, 1883, p. 678.

Adults of this species have not been observed, but the young were taken in considerable numbers in sweeping at Manhattan, October 11.

Philodromus rufus, Walckenaer.

Philodromus rufus, Walckenaer. Ins. Apt., I, 1837-47, p. 555.

Several specimens collected at Minneapolis, June 30.

Philodromoides, gen. nov.

Cephalothorax low, about as wide as long; head region much narrowed and slightly elevated. Abdomen fully twice as long as wide, very little wider behind than at the base; somewhat pointed at the end; the base projects a short distance over the cephalothorax, and is distinctly notched on the upper side. The sternum and labium are about as in *Philodromus*. All eyes approximately equal in size; the anterior row much the shorter and slightly recurved; median eyes of this row farther from each other than from the side eyes. Posterior row also recurved; side eyes of this row on larger tubercles than any of the others; median eyes farther from each other than from the side eyes. Ocular quadrangle considerably wider behind; about as wide as long. Clypeus wider than space between anterior median eyes, but not as wide as space between posterior median eyes; obliquely directed forward and downward. Legs long and slender, the second pair longest, the third shortest; the relative lengths are, in their order, second pair, first pair, fourth pair, third pair. The tibiæ of the first and second pairs are set beneath with ten or twelve stout spines arranged in

two rows, and the metatarsi are similarly armed with half that number. Weaker spines likewise occur on the other two pairs of legs and on the pedipalps.

Philodromoides prataria, sp. nov. (fig. 10).

Female.—Length, 6 mm.; length and width of cephalothorax, 2 mm.; width of abdomen, 2 mm. Other characters as given in the generic description. A very few short bristle-like hairs scattered about among the spines on the outer joints of the legs and on the chelicerae and the pedipalps; thickest on the tarsi of the latter.

Coloration.—Abdomen plain brown above, mottled and streaked with a lighter shade. The four muscle impressions are quite distinct. Cephalothorax rusty-brown, lighter at the sides and just back of the head region. Streaks marked by depressed lines radiate from the dorsal groove. The sternum is pale yellow or almost white. The abdomen is lighter beneath than above, and there is a less mottled central region, set off by a row of indistinct dots on either side. The legs are pale yellow to whitish. The femora, patellae and tibiae of all four pairs are marked in front with a longitudinal stripe of black, which becomes neatly obliterated on the metatarsi and tarsi. The corresponding joints of the legs of the third and fourth pairs are similarly marked on the hind border also. The males are somewhat smaller than the females, the abdomen being considerably narrower than the cephalothorax. The legs are more hairy in appearance and the spines less conspicuous than in the female. The color markings are about the same in the two sexes. This species is not uncommon about Manhattan, Kansas, in mid-summer. Mature males and females were taken in this locality on August 17.

Family CLUBIONIDÆ.

Castaneira crocata, Hentz.

Herpyllus crocatus, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 457.

Representatives of this species from Wallace, August 20, and from Manhattan, July 29. From its general appearance and movements this spider might, at first sight, be easily mistaken for a velvet ant (Mutillid).

Trachelas tranquilla, Hentz.

Clubiona tranquilla, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 450.

One female taken in collecting under stones at Lawrence, October 8.

Family DRASSIDÆ.

Zelotes decepta, Banks.

Prothesima decepta, Banks. Proc. Acad. Nat. Sci. Philad., 1900, p. 531.

A single male specimen from Manhattan, May 5.

Zelotes rufula, Banks.

Prothesima rufula, Banks. Proc. Acad. Nat. Sci. Philad., 1892, p. 17.

A single female specimen from Manhattan, May 5.

Melanophora atra, Hentz.

Herpyllus ater, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 455.

Two females from Manhattan, May 1.

Gnaphosa sericata, Koch.

Herpyllus bicolor, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 456.

One female from Manhattan, July 27.

Family SALTICIDÆ.

Phidippus plus, sp. nov. (figs. 1, 2, 7).

A medium sized species rather light in color. One male taken at Manhattan in October and two females in July.

Measurements.—Length of female 9-10 mm. Length of abdomen 5mm.; width of abdomen 3mm. Width of cephalothorax about the same as that of abdomen. The measurements of the male are very approximately the same, except that the abdomen is slightly narrower.

Legs.—Relative length, female, 4, 1, 2, 3; male, 1, 4, 2, 3. The legs of the first pair are considerably stouter than any of the others. First and second metatarsi set beneath with six stout spines in two rows. Tarsi of same legs with four spines. A few spines, less regularly placed, on the other legs also.

Colors.—Female pale yellow beneath without markings. Very much the same above except for a dark area occupying the ocular quadrangle and two narrow dark colored streaks, one on either side of the median line of the abdomen. The latter are not at all distinct on the anterior third of the abdomen. Two or more pairs of white spots dot these dark streaks. The ground color of the male is somewhat darker, shading into orange brown on the cephalothorax and legs. Like the female, the male is unmarked beneath and has above the two dark streaks on the abdomen and the dark area on the ocular quadrangle. The femora and, to a certain extent, the other joints of all the legs are more or less streaked or almost banded with very dark brown. The tips of the tarsi in both sexes are dark. Palpal organs of the male dark except at the tip. Other joints of the palps pale and unmarked.

The body and legs of both sexes are sparsely covered with long silky hairs, with here and there a spine.

Phidippus texanus, Banks.

Phidippus texanus, Banks. Proc. Ent. Soc. Wash., 1905.

Not uncommon in the late summer and the autumn months. Specimens taken at Englewood and Medora in July, and at Manhattan in October.

Phidippus multiformis, Emerton.

Phidippus multiformis, Emerton. Trans. Conn. Acad., VIII. 1891, p. 6.

Two females and one male from Manhattan, July 27.

Phidippus montivagus, Peckham.

Phidippus montivagus, Peckham. Trans. Wisconsin Acad., XIII, p. 293.

A single specimen, female, from Manhattan, July 14.

Dendryphantes glacialis, sp. nov. (figs. 3, 4, 8).

An average sized species, conspicuously striped on the abdomen. Two females were taken at Manhattan, May 26, and a pair in the glacial region near St. George, June 6.

Measurements.—Female 5.5mm., male 5mm. in length. Cephalothorax 2.5mm. long, 2 mm. wide.

Colors.—The cephalothorax of this species is reddish brown, with scattering white hairs thick enough at the sides and on the posterior slope to almost give the appearance of a band or stripe. About the eyes the red-brown is several shades darker. The ground color of the abdomen is dirty white tinged with yellow. Down the median line is a brown stripe, a little the wider in the male. On either side of this stripe is another of the same color and approximate width, curving a little to conform to the lateral border of the abdomen. Still another and wider stripe, not visible from a dorsal view, runs along each side of the abdomen. In the female this stripe is broken into spots or streaks. On the ventral surface there is a narrow median stripe from the genital opening to the spinnerets, and a wider stripe each side of this.

The legs and palps are dull yellow tinged with brown, unmarked in the female, but much darker with some appearance of banding in the male.

The front row of eyes is curved, with the middle eyes fully twice as large as the lateral and almost as widely separated as the former and latter.

Dendryphantes militaris, Hentz.

Attus militaris, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 201.

Not so common as *D. capitatus*. Specimens taken at Manhattan in October.

Pellenes cognatus, Peckham.

Pellenes cognatus, Peckham. Bull. Wis. Nat. Hist. Soc., I, 1901, p. 224.

One specimen, a female, from Arkalon, July 21.

Peckhamia picata, Hentz.

Synemosyna picata, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 370.

A pair of these ant-like spiders taken at Manhattan, October 10.

Neither sex was quite mature.

Maevia vittata, Hentz.

Attus vittatus, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 360.

Fairly common. Mature specimens taken at St. George, June 6, and at Manhattan in October.

Thiodina sylvana, Hentz.

Attus sylvanus, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 364.

A male of this species from St. George, June 6.

Wala palmarum, Hentz.

Epiblemum palmarum, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 366.

Three males in material collected at Lawrence, October 8.

Family ARGIOPIDÆ.

Araneus aculeatus, Emerton.

Epeira aculeata, Emerton. Bull. U. S. Geol. Surv. Terr., III, 1877, p. 528.

One specimen, a female, from Clark county, June 15.

Araneus trifolium, Hentz.

Epeira trifolium, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 471.

This large orb-weaver is represented in the College collection by a single specimen, female, taken at Manhattan, August 22.

Araneus displicatus, Hentz.

Epeira displicata, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 476.

One male from St. George, June 6.

Araneus mormon, Keyserling.

Epeira mormon, Keyserling. Die Spinnen Amer., Volume IV.

A few specimens taken in provision stores of mud-dauber wasps at Meade, July 18.

Acacesia foliata, Hentz.

Epeira foliata, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 475.

One female taken in sweeping at Lawrence, September 8.

Mangora placida, Hentz.

Epeira placida, Hentz. Jour. Bost. Soc. Nat. Hist., V, 1845, p. 475.

One female from Manhattan, May 2. Several males, lacking one moult of maturity, collected at Lawrence, October 10.

Singa nigripes, Keyserling.

Singa nigripes, Keyserling. Verh. d. z. b. Ges. Wien, 1883, p. 655.

The species is fairly common in some localities. Specimens from St. George, June 6.

Family LYCOSIDÆ.

***Lycosa gracilis*, Banks.**

Lycosa gracilis, Banks. Proc. Acad. Nat. Sci. Philad., 1892, p. 70.

A male from Manhattan, May 20.

***Lycosa punctulata*, Hentz.**

Lycosa punctulata, Hentz. Jour. Bost. Soc. Nat. Hist., IV, 1842, p. 390.

A mature female of this moderately large species from Manhattan, October 6.

***Lycosa rufiventris*, Banks.**

Lycosa rufiventris, Banks. Proc. Acad. Nat. Sci. Philad., 1892, p. 65.

Not uncommon. Specimens taken at Manhattan in October and April.

***Lycosa permiana*, sp. nov. (figs. 5, 6, 9).**

A medium sized spider not uncommon in the spring and early summer. It hides among stones at some distance from water courses.

Measurements.—Female about 15mm. in length; male 10-11mm. Cephalothorax of female 6mm. long, 4.5mm. wide; moderately arched, the highest point being about midway between the posterior eyes and the front of the dark line marking the dorsal groove. First leg 14mm.; fourth leg 18mm.

Colors (in alcohol).—The ground color of both sexes is light yellow. In the male the abdomen is streaked and spotted with black above and brown below. In the female the similar markings of the abdomen are brown both on the dorsal and the ventral surfaces. The ground color of the abdomen in this sex is sometimes more nearly dirty white than yellow. The markings of the cephalothorax are alike in the two sexes—a rich brown on the sides of the head and in the region traversed by the depressed lines radiating from the dorsal groove. The top of the head, or highest portion of the cephalothorax, is yellow. It is marked posteriorly by a pair of brown spots. A dark line marks the dorsal groove. The legs are light yellow, unmarked but tinged with a suggestion of brown in places, especially on the distal joints. Numerous long dark spines and a sparse covering of dark hairs tend to obscure the ground color of the legs. The coxæ and the sternum are brownish. The tarsi of the male palps are dark brown.

Lycosids of this species collected at Manhattan in April and at Delphos in May. Both sexes mature at this time.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

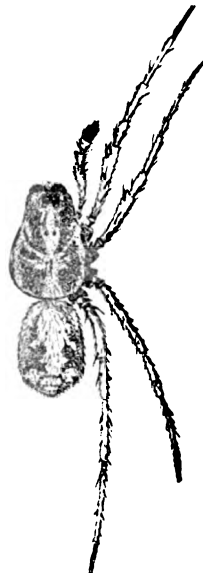


Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

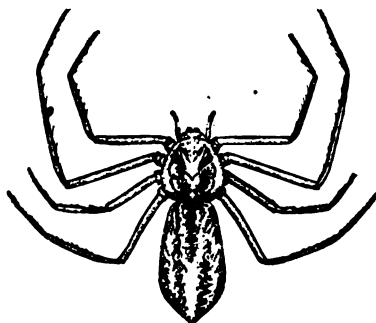


Fig. 10

***Pardosa texana*, Banks.**

Pardosa, texana, Banks. Jour. N. Y. Ent. Soc., XII, 1904, p. 115.

One specimen, a female, from Englewood, August 8.

***Pardosa milvina*, Hentz.**

Lycosa milvina, Hentz. Jour. Bost. Soc. Nat. Hist., IV, 1842, p. 392.

One Lycosid of this species from Meade, July 18.

Family AGELENIDÆ.

***Cicurina arcuata*, Keyserling.**

Cicurina arcuata, Keyserling. Verh. d. z. b. Ges. Wien, 1887, p. 460.

Two specimens, a male and a female, taken at Manhattan, May 5.

***Hahnla agilis*, Keyserling.**

Hahnla agilis, Keyserling. Verh. d. z. b. Ges. Wien, 1887, p. 465.

One specimen from Manhattan, April 15.

Family MIMETIDÆ.

***Mimetes interfector*, Hentz.**

Mimetes interfector, Hentz. Jour. Bost. Soc. Nat. Hist., VI, 1850, p. 32.

A female of this species taken in sweeping at Minneapolis, June 30.

Family THERIDIIDÆ.

***Theridion puncto-sparsum*, Emerton.**

Theridion puncto-sparsum, Emerton. Trans. Conn. Acad., VI, 1882, p. 12.

Found occasionally at Manhattan. Specimens taken in July.

***Theridion differens*, Emerton.**

Theridion differens, Emerton. Trans. Conn. Acad., VI, 1882, p. 9.

One specimen from Manhattan, May 26.

SUMMARY OF GENERA AND SPECIES

| | | | |
|---------------------|---|--------------------|---|
| Family Atypidæ. | | Pellenes..... | 1 |
| Brachybothrum..... | 1 | Peckhamia..... | 1 |
| Family Uloboridæ. | | Maevia..... | 1 |
| Uloborus..... | 1 | Thiodina..... | 1 |
| Hyptiotes..... | 1 | Wala..... | 1 |
| Family Thomisidæ. | | Family Argiopidæ. | |
| Xysticus..... | 2 | Araneus..... | 4 |
| Ebo..... | 1 | Acacesia..... | 1 |
| Philodromus..... | 1 | Mangora..... | 1 |
| Philodromoides..... | 1 | Singa..... | 1 |
| Family Clubionidæ. | | Family Lycosidæ. | |
| Castaneira..... | 1 | Lycosa..... | 4 |
| Trachelas..... | 1 | Pardosa..... | 2 |
| Family Drassidæ. | | Family Agelenidæ. | |
| Zelotes..... | 2 | Cicurina..... | 1 |
| Melanophora..... | 1 | Hahnia..... | 1 |
| Gnaphosa..... | 1 | Family Mimetidæ. | |
| Family Salticidæ. | | Mimetus..... | 1 |
| Phidippus..... | 4 | Family Theridiidæ. | |
| Dendryphantes..... | 2 | Theridion..... | 2 |

EXPLANATION OF PLATE.

- Fig. 1. *Phidippus pius*, female x 4.
 Fig. 2. *Phidippus pius*, male x 4.
 Fig. 3. *Dendryphantes glacialis*, male x 7.
 Fig. 4. *Dendryphantes glacialis*, female x 7.
 Fig. 5. *Lycosa permiana*, male x 3.
 Fig. 6. *Lycosa permiana*, female x 3.
 Fig. 7. Epigynum of *Phidippus pius*.
 Fig. 8. Epigynum of *Dendryphantes glacialis*.
 Fig. 9. Epigynum of *Lycosa permiana*.
 Fig. 10. *Philodromoides pratensis*, female x 5.

THEO. H. SCHEFFER.

The Department of Biology has done a large amount of work this spring in preparing and mailing gopher and prairie-dog poison. Professor Popenoe reports that some days the sales amounted to several hundred cans. Many of the western counties have taken advantage of the State law giving township officers the right to buy poison of the State laboratory, from the funds of their township. Trustee Ely Barger, of Carmen, Gray county, bought \$105 worth for his township. Trustee E. T. Lewis, of Jerome, Gove county, bought \$630 worth in one bill and \$175 worth in another. Formerly the requests for the prairie-dog preparation were more numerous than those for the gopher poison, but at present the latter is required in larger quantities.

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LOCAL NOTES.

President Nichols has moved into his new house.

Assistants Halsted and Scheffer will be instructors in the normal institute of Riley county in June.

The Architectural club held an enthusiastic meeting in the city library building last Saturday night.

Miss Marguerite E. Barbour, director of physical training, entertained her calisthenics class at a luncheon at the Manhattan Candy Kitchen, Friday evening.

Doctor Schoenleber has moved into the house formerly occupied by Mr. Barnhouse. Mr. Barnhouse has moved into the former Nichols' residence.

The experiment station issued this week press bulletin No. 137, entitled "Some Troubles of Swine," and prepared by Assistant Professor C. L. Barnes, of the Veterinary Department.

The first years have elected the following officers for the spring term: President, B. H. Wilbur; vice-president, Stella Hawkins; secretary, Beulah Pittman; treasurer, Kittell; marshal, Worswick.

An examination of teachers who wish to teach in the Manhattan city schools next year will be held Saturday, May 13. The only certificates regularly accepted by the board are life diplomas and State certificates.

The Horticultural Department has constructed a driveway to the Auditorium, on the west, side and has seeded the lawns and embankments about the building to blue-grass. By Commencement the campus will be as fair as ever.

Chas. Hughes, private secretary to President Nichols, has resigned his position and will go to Kansas City about May 1, to study law in the Kansas City Law School. Mr. Hughes has been an efficient, trustworthy and gentlemanly clerk, and we have no doubt concerning his future.

Capt. I. C. Weatherford, of the southwestern branch of the Salvation Army, with headquarters at 13th and Walnut streets, Kansas City, Mo., spoke to the students from the chapel rostrum on Thursday morning. He was here to solicit financial aid for the benefit of the Army.

Chicago 13, Kansas State Agricultural College 0, was the result of the baseball game Thursday afternoon at Athletic Park; but notwithstanding this defeat of our boys by a professional team of very high skill, our boys did well. The attendance must have reached a thousand or more. Baseball enthusiasts, young and old, had come for miles to see the game.

The enrolment for spring term last Tuesday was 876. Of these there were 8 graduates, 25 special students, 104 seniors, 118 juniors, 155 sophomores, 382 freshmen, 83 preparatory and apprentice. The attendance, although much smaller than that of the fall and winter terms, is larger than that of any spring term in the history of the institution. The Agricultural College draws its students chiefly from rural districts, which accounts for the greatly reduced attendance after March 25.

Professor Kammeyer and Miss Rice went to Chapman, Kan., last Saturday to serve as judges on delivery at the annual inter-society oratorical contest of the Dickinson County High School. They were entertained while there at the home of Miss Edith Goodwin, B. S., '03, who is one of the high-school teachers. Miss Goodwin is an enthusiastic representative of her Alma Mater, and never misses an opportunity to say a good word for K. S. A. C. Miss Rice and Professor Kammeyer report a good program and a fine time.

ALUMNI AND FORMER STUDENTS.

Major Albert Todd, '72, of the United States Artillery Corps, has been transferred from Governor's Island to Minneapolis, Minn.

Mary Davis, '04, is now post-office clerk in the Secretary's office taking the place made by the promotion of Miss Huntress.

Edith Huntress, '01, has succeeded Miss Perry in the Secretary's office, having served an apprenticeship in a less responsible capacity.

M. E. Joslin, junior in 1899, visited his sisters, who are attending College, and also looked about the institution at the beginning of this term.

R. E. Lofinck, '75, a well-known and prosperous merchant of Manhattan, was married Wednesday, March 22, to Miss Ida Barr, at the home of the bride's parents, in Chicago.

Alice (Perry) Hill, '03, will soon join her husband at Fayette, Mo., where Mr. Hill has engaged in the retail lumber business. These young people will be much missed in Manhattan.

Dr. F. E. Johnson, '00, is now looking after quarantine work for the United States government. This keeps him traveling most of the time, with headquarters liable to change at any time. He visited the College this week and seemed to be standing the work well.

Miss Emma Smith, K. S. A. C. 1904, and Sherman B. Burt were married last week and have gone to housekeeping on a farm south of Wamego.—*Nationalist*.

D. W. Randall, '99, has gone to Washington, D. C., to take a year's study in laboratory and field work in the office of public road inquiry. During this time he receives a salary sufficient to meet his expenses, and will then be prepared for a more remunerative position in government service.

The many friends of Capt. Mark Wheeler ['97] and Miss Janette Carpenter [junior '97] can extend congratulations. The marriage will be the second week in May, after which they sail for the Philippines. The marriage ceremony is to be at Professor Carpenter's, Lansing, Mich.—*Nationalist*.

Jeanette Perry, '98, after several years of most efficient service as clerk in the Secretary's office, resigned the position March 31. The work and the circumstances under which it must be performed are such as to test most effectually the accuracy and the faithfulness of the clerk, and in every respect Miss Perry has achieved notable success.

Invitations are out for the marriage of Miss Jeanette Perry and Henry M. Thomas, both of the class of '98, which will take place April 12. As executive clerk Miss Perry has filled an exacting and responsible position in an unusually efficient manner and she will be very much missed. We may find some resignation to our loss, however, in the fact that the gain will be to so good a man as Mr. Thomas.

At the alumni session of the Alpha Beta society on the first instant, short addresses were made by Emma (Knostman) Huse, '80, and H. W. Jones, '88, from out of town. Professor Jones also sang two songs, accompanied on the piano by Henrietta (Willard) Calvin, '86. J. T. Willard, '83, gave some reminiscences. Josephine (Wilder) McCullough, '98, presented an excellent number of the "Gleaner" the contents of which were contributed by members of years ago. These were edited and commented upon in a most happy manner. Mrs. Calvin occupied the chair during the alumni proceedings.

Asst. G. C. Wheeler, '95, of the Animal Husbandry Department, has resigned his position to take charge of a large stock farm, two miles north of Kansas City, owned by Doctor Perkins, a noted Kansas City surgeon. The farm consists of four hundred acres, devoted to the raising of pure-bred Guernsey cattle, Coach horses, Shropshire sheep, and Poland-China hogs. Roy Dorman, '04, is also employed on this farm. Professor Wheeler had the offer of a \$1200 position with the government, but preferred the offer of Doctor Perkins. Mr. Wheeler has been with us for several years and has proved himself an intelligent, practical and trustworthy young man and an effective teacher. We predict for him a large measure of success in everything he may undertake.

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